

**InterTrust Tech. Corp. v. Microsoft Corp.**  
**Case No. C 01-1640 SBA (MEJ)**

**APPENDIX OF PRIOR ART\***

| Anticipates | Renders Obvious | Description   |
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| Y           | Yes             | Coutrot, Francois; Michon, Vincent; "A Single Conditional Access System for Satellite-Cable and Terrestrial TV" IEEE Transactions on Consumer Electronics, Vol. 35, No. 3, Aug. 1989        |
| Y           | Yes             | "ISO 8583: Financial transaction card originated messages - Interchange message specifications", ISO, Dec. 15, 1993   |
| Y           | Yes             | Harty, Kieran; Ho, Linda; "Case Study: The VISA Transaction Processing System", May 30, 1988  |
| Y           | Yes             | U.S. 4,584,639; Apr. 22, 1986   |
|             | Yes             | Denning, Dorothy E.; "Secure Personal Computing in an Insecure Network", Comm. of the ACM, Vol. 22, No. 8, Aug. 1979  |
|             | Yes             | Muftic, Sead; "Security Mechanisms for Computer Networks", Computer Communications and Networking, 1989   |
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| Y           | Yes             | Choudhury, Abhijit K.; Maxemchuk, Nicholas F.; Paul, Sanjoy; Schulzrinne, Henning G.; "Copyright Protection for Electronic Publishing Over Computer Networks", IEEE Network, May/Jun., 1995 |
|             | Yes             | Denning, Dorothy E.R.; <u>Cryptography and Data Security</u> , Addison-Wesley Publishing Company, 1982, Reprinted with corrections, Jan. 1983   |
|             | Yes             | Hellman; "Multi-user Cryptographic Techniques"  |
|             | Yes             | Diffie, Whitfield; Hellman, Martin E; "New Directions in Cryptography", Stanford University, 1976   |
| Y           | Yes             | Kohl, J.; Neuman, C.; "The Kerberos Network Authentication Service (V5)", Network Working Group RFC 1510, Sep. 1993   |
|             | Yes             | Diffie, Whitfield; van Oorschot, Paul C.; Weiner, Michael J.; "Authentication and Authenticated Key Exchanges", Sun Microsystems and Bell-Northern Research, Mar. 6, 1992                   |
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|             | Yes             | Kohnfelder, Loren M.; "Towards a Practical Public-Key Cryptosystem", May, 1978  |
|             | Yes             | Kaliski, Jr., Burton S.; "A Layman's Guide to a Subset of ASN.1, BER, and DER", RSA Laboratories Technical Note, 1991, Revised Nov. 1, 1993   |
| Y           | Yes             | "PKCS #7: Cryptographic Message Syntax Standard", RSA Laboratories Technical Note, Ver. 1.5, Revised Nov. 1, 1993   |
|             | Yes             | Walker, Stephen; "Notes from RSA Data Security Conference", Trusted Information Systems, Jan. 18, 1994  |
| Y           | Yes             | Tygar, J.D.; Yee, Bennet; "Cryptography: It's Not Just for Electronic Mail Anymore", Carnegie Mellon University Tech. Report CMU-CS-93-107, Mar. 1, 1993                                    |
|             | Yes             | U.S. 4,658,093; Apr. 14, 1987   |
| Y           | Yes             | U.S. 4,405,829; Sep. 20, 1983   |
| Y           | Yes             | Schneier, Bruce; <u>Applied Cryptography: Protocols, Algorithms, and Source Code in C</u> , John Wiley & Sons, Inc., 1994   |

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|             | Yes             | Castano, Silvana; Fugini, Mariagrazia; Martella, Giancarlo; Samarati, Pierangela; Database Security, ACM Press, 1994  |
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| Y           | Yes             | Oliver, Martin S.; "Secure Object-oriented Databases", Thesis for the degree of Doctor of Philosophy in Computer Science, Rand Afrikaans University, Dec. 1991  |
|             | Yes             | R. Ahad, et al.; IRIS, 1992   |
| Y           | Yes             | ORION I.k.a. ITASCA, MCC-Austin TX & Itasca Corp., 1985-1995  |
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|             | Yes             | Choy, D.M. et al.; "A Digital Library System for Periodicals Distribution", May 1996  |
| Y           | Yes             | Mathy, Laurent; "Features of The ACCOPI Multimedia Transport Service", Lecture Notes in Computer Science, No.1045, Proc. Of European Workshop IDMS'96, Mar. 1996;<br><br>"Access Control and Copyright Protection for Images Security Technology for Graphics and Communication Systems - RACE M1005: ACCOPI", webpage, Security Projects at Fraunhofer-IGD, 2002;<br><br>ACCOPI RACE Project M1005 Warning of ACCOPI web pages removal, UCL Laboratoire de telecommunications et teledetection<br>"The Amide Products" web page; |
| Y           | Yes             | "Forum on Technology-Based Intellectual Property Management - Electronic Commerce for Content", IMA Intellectual Property Proceedings, Vol. 2, Jun. 1996  |
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|             | Yes              | IP Workshop - CUPID: "Protocols and Services (ver. 1): An Architectural Overview", CNI, last update Nov. 20, 1997   |
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|             | Yes              | U.S. 5,715,403; Feb. 3, 1998  |
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|             | Yes             | Ketchpel, Steve P.; Garcia-Molina, Hector; Paepcke, Andreas; "Shopping Models: A Flexible Architecture for Information Commerce", Stanford University                   |
|             | Yes             | Lagoze, Carl; "A Secure Repository Design for Digital Libraries", D-Lib Magazine, Dec. 1995   |
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| Y           | Yes             | Tygar, J.D.; Yee, Bennet; "Dyad: A System for Using Physically Secure Coprocessors", IMA Intellectual Property Project Proceedings, Vol. 1, Issue 1, Jan. 1994          |
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|             | Yes             | Williams, Tony; "Microsoft Object Strategy", Microsoft PowerPoint presentation, 1990  |
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| Y           | Yes             | Dynamic linking of SunOS  |
| Y           | Yes             | Blaze, Matt, "A Cryptographic File System for Unix", preprint of paper to be presented at First ACM Conference on Communications and Computing Security, Nov. 3-5, 1993 |
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| Y           | Yes              | U.S. 4,866,769; Sep. 12, 1989  |
| Y           | Yes              | U.S. 5,014,234; May 7, 1991  |
| Y           | Yes              | U.S. 5,113,518; May 12, 1992   |
|             | Yes              | U.S. 5,204,897; Apr. 20, 1993  |
|             | Yes              | U.S. 5,218,605; Jun. 8, 1993   |
| Y           | Yes              | U.S. 5,260,999; Nov. 9, 1993   |
| Y           | Yes              | U.S. 5,291,598; Mar. 1, 1994   |
| Y           | Yes              | U.S. 5,337,357; Aug. 9, 1994   |
|             | Yes              | U.S. 5,421,006; May 30, 1995   |
|             | Yes              | U.S. 5,438,508; Aug. 1, 1995   |
|             | Yes              | U.S. 5,490,216; Feb. 6, 1996   |
| Y           | Yes              | U.S. 5,603,031; Feb. 11, 1997  |

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**APPENDIX OF PRIOR ART\***

| Anticipates | Readers Obvious | Description  |
|-------------|-----------------|--|
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|             | Yes             | Lexis/WestLaw  |
| Y           | Yes             | U.S. 6,135,646; Oct. 24, 2000  |
|             | Yes             | Bishop, Matt; "Privacy-Enhanced Electronic Mail", Privacy and Security Research Group, IAB   |
| Y           | Yes             | Kim, Won; Ballou, Nat; Chou, Hong-Tai; Garza, Jorge F.; Woelk, Darrell; "Features of the ORION Object-Oriented Database System"  |
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|             | Yes             | Perlman, Bill; "A Working Anti-Taping System for Cable Pay-Per-View", IEEE Trans. On Consumer Electronics, Vol. 35, No.3, Aug. 1989  |
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| Y           | Yes             | Davies, D.W.; Price, W.L.; <u>Security for Computer Networks</u> , John Wiley & Sons, 1984   |
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**APPENDIX OF PRIOR ART\***

| Anticipates | Renders Obvious | Description   |
|-------------|-----------------|---|
|             | Yes             | "International Infrastructure Standards Panel:<br>IISP Need #31 - Containers or Secure Packaging;<br>IISP Need #32 - Authentication of Content;<br>IISP Need #33 - Control Enforcement;<br>IISP Need #34 - Billing and Payment;<br>IISP Need #35 - Reporting"<br>ANSI Online, Sep. 18, 1995 |
| Y           | Yes             | "Cryptographic API Specification", Version 0.6, Microsoft, Mar. 1995  |
|             | Yes             | Everett, David B.; "Smart Card Tutorial - Part 1", Sep. 1992  |
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| Y           | Yes             | Hauser, Ralf; "Control of Information Distribution and Access", Dissertation Der Wirtschaftswissenschaftlichen Fakultät Der Universität Zurich, May 31, 1995  |
|             | Yes             | Rindfrey, Jochen; "Towards an Equitable System for Access Control and Copyright Protection in Broadcast Image Services: The Equicrypt Approach", Fraunhofer Institute for Computer Graphics   |
|             | Yes             | Wells, Rob; <u>Odyssey of Plastic Purchase: 20-Second Round-Trip</u> , Associated Press, Dec. 1993  |
|             | Yes             | <u>Payment Systems: Strategic Choices for the Future</u> , Hitachi Research Institute; Institute of Advanced Business Systems, Hitachi, Ltd., 1993  |
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| Y           | Yes             | MSDN Issue: Jan 1993; Vol. No. 2; 1 Disk, Microsoft, Jan. 1993  |
| Y           | Yes             | MSDN Issue: Apr. 1993; Vol. No. 3; 1 Disk, Microsoft, Apr. 1993   |
| Y           | Yes             | MSDN Issue: Summer 1993; Vol. No. 4; 1 Disk, Microsoft, Jul. 1993   |
| Y           | Yes             | MSDN Issue: Fall 1993; Vol. No. 5; 1 Disk, Microsoft, Oct. 1993   |
| Y           | Yes             | MSDN Issue: Winter 1994; Vol. No. 6; 1 Disk, Microsoft, Jan. 1994   |
| Y           | Yes             | MSDN Issue: Apr. 1994; Vol. No. 7; 1 Disk, Microsoft, Apr. 1994   |
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| Y           | Yes             | MSDN Issue: Oct. 1994; Vol. 9; 1 Disk, Microsoft, Oct. 1994   |
| Y           | Yes             | MSDN Issue: Jan 1995; Vol. 10; 1 Disk, Microsoft, Jan. 1995   |
| Y           | Yes             | MSDN Issue: Apr. 1995; Vol. 11; 1 Disk, Microsoft, Apr. 1995  |
| Y           | Yes             | MSDN Issue: Jul. 1995; Vol. 12; 1 Disk, Microsoft, Jul. 1995  |
| Y           | Yes             | MSDN Issue: Oct. 1995; Vol. 13; 1 Disk, Microsoft, Oct. 1995  |
| Y           | Yes             | MSDN Issue: Jan 1996; Vol. 14; 2 Disks, Microsoft, Jan. 1996  |
| Y           | Yes             | MSDN Issue: Apr. 1996; Vol. 15; 2 Disks, Microsoft, Apr. 1996   |
| Y           | Yes             | MSDN Issue: Jul. 1996; Vol. 16; 1 Disk, Microsoft, Jul. 1996  |
| Y           | Yes             | MSDN Issue: Oct. 1996; Vol. 17; 2 Disks, Microsoft, Oct. 1996   |
| Y           | Yes             | MSDN Issue: Jan 1997; Vol. 18; 2 Disks, Microsoft, Jan. 1997  |
| Y           | Yes             | MSDN Issue: 16-Bit Archive 1997; Vol. NA; 1 Disk, Microsoft, Jan. 1997  |

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**APPENDIX OF PRIOR ART\***

| Anticipates | Relevant Obvious | Description   |
|-------------|------------------|---|
| Y           | Yes              | MSDN Issue: Apr. 1997; Vol. No. 20; 2 Disks, Microsoft, Apr. 1997   |
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| Y           | Yes              | MSDN Issue: Oct. 1997; Vol. No. 24; 2 Disks, Microsoft, Oct. 1997   |
| Y           | Yes              | MSDN Issue: Visual Studio 1997; Vol. No. 191; 1 Disk, Microsoft, 1997   |
| Y           | Yes              | MSDN Issue: Jan. 1998; Vol. No. 27; 2 Disks, Microsoft, Jan. 1998   |
| Y           | Yes              | MSDN Issue: Apr. 1998; Vol. No. 30; 2 Disks, Microsoft, Apr. 1998   |
| Y           | Yes              | MSDN Issue: Jul. 1998; Vol. No. 33; 3 Disks, Microsoft, Jul. 1998   |
| Y           | Yes              | MSDN Issue: Oct. 1998; Vol. No.: None; 3 Disks, Microsoft, Oct. 1998  |
| Y           | Yes              | MSDN Issue: Jan. 1999; Vol. No.: None; 3 Disks, Microsoft, Jan. 1999  |
| Y           | Yes              | MSDN Issue: Apr. 1999; Vol. No.: None; 3 Disks, Microsoft, Apr. 1999  |
| Y           | Yes              | MSDN Issue: Jul. 1999; Vol. No.: None; 3 Disks, Microsoft, Jul. 1999  |
| Y           | Yes              | MSDN Issue: Oct. 1999; Vol. No.: None; 3 Disks, Microsoft, Oct. 1999  |
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| Y           | Yes              | "CITED Final Report: A Guide to CITED Documentation", ESPRIT, Project 5469, ISBN 0-7123-2115-2, <u>The CITED Consortium</u> , Sep. 1994   |
| Y           | Yes              | Boisson, Jean-Francois; "I - Business Perspectives and Requirements, 2 - The CITED Project: keys and knowledge", CITED 5469   |
| Y           | Yes              | Van Slype, Georges; "Knowledge Economy: future trends", CITED 5469  |
| Y           | Yes              | Boisson, Jean-Francois; "Software components: deliverable Trial Offer", CITED 5469  |
| Y           | Yes              | Van Slype, Georges; "The CITED approach, Ver. 4.0", ESPRIT II, Project 5469, <u>The CITED Consortium</u> , Apr. 20, 1994  |
| Y           | Yes              | Moens, Jan; "Report on the users requirements, Ver. 1.0", ESPRIT II, Project 5469, <u>The CITED Consortium</u> , Nov. 27, 1991  |
| Y           | Yes              | Schulze, Dr. J.; "Case of application of the generic CITED Model to the CITEDisatation in the software distribution process", ESPRIT II, Project, Jan. 12, 1993   |
| Y           | Yes              | Moens, Jan; "Case of application of the generic CITED Model to the CITEDisatation of a directory database on CD-ROM, Ver. 2.0", ESPRIT II, Project 5469, <u>The CITED Consortium</u> , Nov. 30, 1992  |
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**APPENDIX OF PRIOR ART\***

| Anticipatory | Rendered Obvious | Description  |
|--------------|------------------|--|
| Y            | Yes              | Boisson, Jean-Francois; "How to CITEDise application: Guidelines and examples", CITED 5469   |
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| Y            | Yes              | Van Slype, Georges; "PL4 RACE/ACCOPI Workshop on Conditional Access and Copyright Protection", ESPRIT II, Project 5469, <u>The CITED Consortium</u> , Nov. 9, 1994   |
| Y            | Yes              | Miscellaneous letters from G. Van Slype at Bureau Van Dijk, Sep. 12, 1994, Sep. 1994, May 11, 1994, May 10, 1994, May 6, 1994, May 4, 1994, Apr. 21, 1994, Apr. 20, 1994   |
| Y            | Yes              | Letter re: ESPRIT III - Project 5469 (CITED) from A. Stajano at Commission of the European Communities, Oct. 7, 1993   |
| Y            | Yes              | ESPRIT Project: 5469: Contract Amendment Number: 2; Commission of the European Communities, Sep. 16, 1993  |
| Y            | Yes              | Miscellaneous letters from George Van Slype at Bureau Van Dijk, Apr. 19, 1994, Apr. 18, 1994, Apr. 11, 1994, Apr. 6, 1994  |
| Y            | Yes              | "The Future of Cited: A Feasibility Study", ESPRIT II, Project 5469, <u>The CITED Consortium</u> Apr. 15, 1994   |
| Y            | Yes              | Miscellaneous letters from Bureau Van Dijk, Mar. 30, 1994, Mar. 24, 1994, Feb. 10, 1994, Feb. 10, 1994   |
| Y            | Yes              | Handwritten note re: GVS and AJL, Mar. 2, 1994   |
| Y            | Yes              | Miscellaneous letters from Bureau Van Dijk, Feb. 9, 1994, Jan. 27, 1994, Jan. 19, 1994, Jan. 12, 1994, Dec. 22, 1993, Nov. 30, 1993, Nov. 22, 1993, Dec. 6, 1993, Nov. 16, 1993, Oct. 15, 1993, Oct. 7, 1993, Oct. 4, 1993, Sep. 20, 1993, Sep. 7, 1993, May 19, 1993, Oct. 13, 1993 |
| Y            | Yes              | Bureau Van Dijk Management Report for Task 4.5: Feasibility Study of the Cited Agency, 1992-1993   |
| Y            | Yes              | Bureau van Dijk: Gestion des contrats; 497C C.C.E. : CITED (SUITE), Feb. 1993  |
| Y            | Yes              | "CITED: Preparation of the CITED model functional requirements specifications - Discussion paper (revision 1)", Bureau Van Dijk, Jan. 16, 1991   |

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**APPENDIX OF PRIOR ART\***

| Anticipates | Readers Obvious | Description  |
|-------------|-----------------|--|
| Y           | Yes             | "CITED: Preparation of the CITED Model Functional Requirements Specifications – Report of the interview with OXFORD UNIVERSITE PRESS, CITED part", Bureau Van Dijk, Feb. 27, 1991  |
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| Y           | Yes             | "CITED: Preparation of the CITED Model Functional Requirements Specifications – Reports of the interviews with Seven International Organizations: EBU, ECMA, ELDA, IFPI, IFTC, STM, WIPO", Bureau Van Dijk, May 27, 1991                               |
| Y           | Yes             | Van Slype, Georges; Moens, Jan; Vannieuwenhuyse, Lawrence; "The future of CITED: a feasibility study", ESPRIT II, Project 5469, <u>The CITED Consortium</u> , Nov. 15, 1993  |
| Y           | Yes             | Van Slype, Georges; "Draft CITED interchange formats, Ver. 1.0", ESPRIT II, Project 5469, <u>The CITED Consortium</u> , Jan. 28, 1994  |
| Y           | Yes             | Miscellaneous letter from Georges Van Slype at Bureau Van Dijk, Feb. 28, 1994  |
| Y           | Yes             | Van Slype, Georges; "The future of CITED : a feasibility study, Ver. 1.0 – Vol. I: Summary report and recommendations", ESPRIT II, Project 5469, <u>The CITED Consortium</u> , Feb. 28, 1994   |
| Y           | Yes             | Van Slype, Georges; Moens, Jan; Vannieuwenhuyse, Laurence; "The future of CITED: a feasibility study, Ver. 1.0 – Vol. II: Full report", ESPRIT II, Project 5469, <u>The CITED Consortium</u> , Feb. 28, 1994   |
| Y           | Yes             | Van Slype, Georges "The future of CITED: a feasibility study, Ver. 1.1 – Vol. III: Draft CITED interchange formats", ESPRIT II, Project 5469, <u>The CITED Consortium</u> , Feb. 28, 1994  |
| Y           | Yes             | "The Future of Cited: A Feasibility Study", ESPRIT II, Project 5469, CITED Project Review, Apr. 15, 1994   |
| Y           | Yes             | Van Slype, Georges; "PL4 RACE/ACCOPI Workshop on Conditional Access and Copyright Protection", ESPRIT II, Project 5469, Presentation of the CITED, Nov. 9, 1994  |
| Y           | Yes             | Van Slype, Georges; "Natural Language version of the generic CITED model, Ver. 4.2 – Vol. I: Presentation of the generic model", ESPRIT II, Project 5469, <u>The CITED Consortium</u> , May 8, 1995  |
| Y           | Yes             | Van Slype, Georges; "Natural language version of the generic CITED model, Ver. 2.1 – Vol. II ECMS (Electronic Copyright Management System) design for computer based applications", ESPRIT II, Project 5469, <u>The CITED Consortium</u> , May 8, 1995 |
|             | Yes             | Cousins, Steve B.; Ketchpel, Steven P.; Paepcke, Andreas; Garcia-Molina, Hector; Hassan, Scott W.; Roscheisen, Martin; "InterPay: Managing Multiple Payment Mechanisms in Digital Libraries"   |
|             | Yes             | "PKCS #5: Password-Based Encryption Standard", An RSA Laboratories Technical Note, Ver. 1.5, 1991-1993, Revised Nov. 1, 1993   |
|             | Yes             | "PKCS #8: Private-Key Information Syntax Standard", An RSA Laboratories Technical Note, Ver. 1.2, 1991-1993, Revised Nov. 1, 1993  |
|             | Yes             | "PKCS #10: Certification Request Syntax Standard", An RSA Laboratories Technical Note, Ver. 1.0, Nov. 1, 1993  |

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**APPENDIX OF PRIOR ART\***

| Anticipatory | Reinforces Obviousness | Description  |
|--------------|------------------------|--|
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|              | Yes                    | "PKCS #13: Elliptic Curve Cryptography Standard", RSA Security, Jan. 12, 1998  |
|              | Yes                    | "PKCS #15 v1.0: Cryptographic Token Information Format Standard", RSA Laboratories, Apr. 23, 1999  |
|              | Yes                    | U.S. 5,335,346; Aug. 2, 1994   |
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|              |                        | Various articles from EB Times, Week of Oct. 2, 1995   |
|              |                        | "Digital Broadband Delivery System, Phase 1.0, System Overview", Revision 1.0, Scientific Atlanta, 1997  |
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| Y            |                        | Unix System V & BSD & GNU versions prior to Feb 22, 1996   |
| Y            |                        | US 5,673,316; Sep. 30, 1997  |
| Y            |                        | 17 USCA sections 1001 - 1010, Chapter 10 Digital Audio Recording Devices and Media, 1996   |
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|              |                        | Hill, William; Hollan, James D.; "Edit Wear and Read Wear", Computer Graphics and Interactive Media Research Group, ACM; May 3-7, 1992                                 |

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**APPENDIX OF PRIOR ART\***

| Anticipates | Renders Obvious | Description   |
|-------------|-----------------|---|
|             | Yes             | InterTrust Solutions for A2b, InterTrust;<br><br>Competitive Analysis AT&T/a2b music, Jun. 16, 1998;<br><br>Email from Chris Drost-Hansen re press release: "AT&T Launches A2B Music Trial for Delivering Songs Over the Internet", Business Wire, Nov. 3, 1997;<br><br>A2b's Recent Press Coverage, 1998 |
|             | Yes             | ISO 11568-1 & -2: "Key management (retail) - Part 1: Introduction to key management"; and " - Part 2: Key management techniques for symmetric ciphers", ISO, Dec. 1, 1994   |
|             | Yes             | ISO 13491-1: "Secure cryptographic devices (retail) - Part 1: Concepts, requirements and evaluation methods", ISO, Jun. 15, 1998  |
|             | Yes             | ISO 8583-2: "Financial transaction card originated messages - Interchange message specifications - Part 2: Application and registration procedures for Institution Identification Codes (IIC)", ISO, Jul. 1, 1998   |
|             | Yes             | ISO 8583-3: "Financial transaction card originated messages - Interchange message specifications - Part 3: Maintenance procedures for codes", ISO, Jul. 1, 1998   |
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**APPENDIX OF PRIOR ART\***

| Anticipates | Render's Obvious | Description   |
|-------------|------------------|---|
|             | Yes              | Kim, Gene H.; Spafford, Eugene H.; "Experiences with Tripwire: Using Integrity Checkers for Intrusion Detection", COAST Laboratory, Purdue University, Feb. 22, 1995  |
|             | Yes              | Blaze, Matt; "Key Management in an Encrypting File System", Proc. Summer 1994 USENIX Technical Conference, Jun. 1994  |
|             | Yes              | Robinson, D.; Ullmann, R.; "Encoding Header Field for Internet Messages", Network Working Group RFC 1154, Apr. 1990;<br><br>Rose, M.; McCloghrie, K.; "Structure and Identification of Management Information for TCP/IP-based Internets", Network Working Group RFC 1155, May 1990   |
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|             | Yes              | Davin, J.; Galvin, J.; McCloghrie, K.; "SNMP Administrative Model", Network Working Group RFC 1351, Jul., 1992;<br><br>Galvin, J.; McCloghrie, K.; Davin, J.; "SNMP Security Protocols", Network Working Group RFC 1352, Jul., 1992;<br><br>McCloghrie, K.; Davin, J.; Galvin, J.; "Definitions of Managed Objects for Administration of SNMP Parties", Network Working Group RFC 1353, Jul., 1992  |
|             | Yes              | "PKCS #1: RSA Encryption Standard", RSA Laboratories Technical Note, Ver. 1.5, Revised Nov. 1, 1993   |
|             | Yes              | "PKCS #3: Diffie-Hellman Key-Agreement Standard", RSA Laboratories Technical Note, Ver. 1.4, Revised Nov. 1, 1993   |
|             | Yes              | "PKCS #6: Extended-Certificate Syntax Standard", RSA Laboratories Technical Note, Ver. 1.5, Revised Nov. 1, 1993  |
|             | Yes              | "PKCS #9: Selected Attribute Types", RSA Laboratories Technical Note, Ver. 1.1, Revised Nov. 1, 1993  |
|             | Yes              | Shneier, B.; "Description of new variable-length key, 64-bit block cipher (Blowfish)", Fast Software Encryption, Cambridge Security Workshop Proceedings, 1994  |
|             | Yes              | Feistel, H.; "Cryptographic Coding for Data-Bank Privacy", IBM document RC 2827, Mar. 18, 1970  |
|             | Yes              | ACORN/ CLEAR, 1996-1998   |
|             | Yes              | Tuck, Bill; "Electronic Copyright Management Systems: Final Report of a Scoping Study for eLib", Jul., 1996   |

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**APPENDIX OF PRIOR ART\***

| Anticipates | Renders Obvious | Description  |
|-------------|-----------------|--|
| Y           | Yes             | "CopySmart (CSM) suit", European Information Technology for Information Science;<br><br>COPYSMART - 20517: "CITED based multi-media IPR management on cost effective smart device", European Information Technology for Information Science, start date Dec. 1, 1995;<br><br>Summaries of Projects (FP III/IV) - Part I: "ESPIRIT Project 20517 - COPYSMART CITED based multi-media IPR management on cost effective smart device", European Information Technology for Information Science, Oct. 1998   |
|             | Yes             | "CREANET - Creative Rights European Agency NETWORK - Project Profile" information society technologies, edited Feb. 18, 2000   |
|             | Yes             | "iOpener System Description", National Semiconductor, 1993   |
|             | Yes             | "iPower Technology" (National Semiconductor marketing brochure)  |
|             | Yes             | "The Standards Business: Time for Change," European Commission DG111 Espirit Project 5th Consensus Forum, Nov. 3-4, 1998;<br><br>"ESPIRIT Project 20676 - IMPRIMATUR - Intellectual Multimedia Property Rights Model and Terminology for Universal Reference", IMPRIMATUR Consortium, Oct. 1998;<br><br>Electronic Reserve Copyright Management System (ERCOMS), International Institute for Electronic Library Research, website updated by Ramsden, Anne, Jul. 22, 1996;<br><br>Achievements Archive, www.imprimatur.net/ web pages;<br><br>imprimatur news, IMPRIMATUR, Dec. 1998;<br><br>Delees, Chris, "The Imprimatur Project" |
|             | Yes             | JUKEBOX-Music Across Borders, LIB-JUKEBOX/4-1049   |
|             | Yes             | "ESPRIT Project 24378 - MENHIR European Multimedia network of high quality image registration", Museums On Line, Feb. 1, 1997  |
|             | Yes             | "ESPIRIT Project 22226 - MUSE - Developing standardized digital media management, signaling and encryption systems for the European music sector", International Federation of the Phonographic Industry, Oct. 1998  |
|             | Yes             | "STARFISH State of the Art Dinancial Services for the inHabitants of isolated areas - Project Profile" information society technologies, time schedule Jan. 21, 2000 - Jun. 30, 2002   |

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**APPENDIX OF PRIOR ART\***

| Anticipates | Renders Obvious | Description   |
|-------------|-----------------|---|
|             | Yes             | <p>"TALISMAN - Tracing Authors' rights by Labelling Image Services and Monitoring Access Network," ACTS Project No. AC019, Doc Reference AC019-THO-RGS-FR-P-001-b1, Sep. 25, 1998;</p> <p>Simon, C.; Goray, E.; Vercken, G.; Delivet, B.; Delaigle, JF.; Boucqueau, JM.; "Digital Images protection managment in a broadcast framework: Overview/TALISMAN solution," Thomson-CSF, RTBF, ART3000, UCL;</p> <p>"TALISMAN: Tracing Authors' rights by labelling image services and monitoring access network," ACTS, Swiss Participation in European Research Programmes, Sep. 1 1995 - Aug. 31 1998</p> |
|             | Yes             | <p>"TELENET TELEtraining platform (on NETworks) - Project Profile" information society technologies, time schedule Mar. 6, 2000 - Mar. 30, 2000;</p> <p>"Deliverable D3: Specification of the Infrastructure And explanation of trust and confidence building solutions" Ver. 0.1, Telenet, Jul. 18, 2000;</p> <p>Email from Edmond Kouka to Jean-Francois Boisson re Affaire BC-CreaNet; Feb. 10, 2001;</p> <p>Email from Bogdan Lutkiewicz to Jean-Francois Boisson re TELENET TELEtraining platform - Bogdan Lutkiewicz, Poland, Gdansk; Mar. 4, 2001</p>  |
| Y           | Yes             | Boisson, Jean-Francois; "Management of Intellectual Property Rights in the Electronic Commerce: Textile Design Sales And Other Similar Initiatives," EURITIS  |
|             | Yes             | U.S. Patent No. 5,251,294; Oct. 5, 1993   |
|             | Yes             | S.H. Low, N.F. Maxemchuk, J.T. Bassil, & L. O'Gorman, Document Marking and Identification Using Both Line and Word Shifting, Infocom 95, 1994   |
|             | Yes             | Caroni, Maxemchuck & O'Gorman, Electronic Marking and Identification Techniques to Discourage Document Copying, Proc. Infocom 94, 1994  |
|             | Yes             | Wagner, Fingerprinting, IEEE Symp. On Info. and Privacy, Apr., 93   |
|             | Yes             | H. Berghal, L. Ogorman, "Protecting Ownership Rights Through Digital Watermarking", IEEE Computing v. 29, No.7, Jul., 1996,   |
|             | Yes             | Chor, Fiat & Naor, Tracing Traitors, Crypto 94, p. 257, 1994  |
|             | Yes             | David Chaum, "Security Without Identification: Transaction Systems to Make Big Brother Obsolete", Comm. Of the ACM, vol. 28, no. 10, Oct. 1985  |
|             | Yes             | "Wallet Databases with Observers", David Chaum, Advances in Cryptology -- Proceedings of Crypto '92 (pp. 89-105), 1992  |
| Y           | Yes             | Sirbu, Marvin; Tygar, J.D.; "NetBill: An Internet Commerce System Optimized for Network Delivered Services", Carnegie Mellon University   |
|             | Yes             | Ulrich Kohl, Jeffrey Lotspiech, Marc Kaplan, "Safeguarding Digital Library Contents and Users", IBM Research Division, D-Lib Magazine, Sept. 97   |
|             | Yes             | Daniel Schutzer, A Need for a Common Infrastructure: Digital Libraries and Electronic Commerce, Apr. 1996   |
|             | Yes             | Michael Lesk, Digital Libraries Meet Electronic Commerce: On-Screen Intellectual Property, Dec. 15, 98  |

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**APPENDIX OF PRIOR ART\***

| Anticipates | Rendered Obvious | Description  |
|-------------|------------------|--|
|             | Yes              | Lorcan Dempsey & Stuart L. Weibel; The Warwick Metadata Workshop: A Framework for the Deployment of Resource Description, Jul./ Aug. 96  |
|             | Yes              | "AT&T Smart Cards Systems & Solutions", AT&T, 1993   |
| Y           | Yes              | Gemplus; "MCOS: Multi Application Chip Operating System - Introduction", Gemplus Card International, 1990  |
|             | Yes              | Guillou, Louis C.; "Smart Cards and Conditional Access", Springer-Verlag, 1988   |
|             | Yes              | David L. Chaum, "Untraceable Electronic Mail, Return Addresses, and Digital Pseudonyms", 1981  |
|             | Yes              | Kent, S.; "U.S. Department of Defense Security Options for the Internet Protocol", Network Working Group RFC 1108, Nov. 1991   |
|             | Yes              | Deering, S.E.; "Host Extensions for IP Multicasting", Network Working Group, RFC 1112, Aug. 1989   |
|             | Yes              | Pethia, R.; Crocker, S.; Fraser, B.; "Guidelines for the Secure Operation of the Internet", Network Working Group RFC 1281, Nov., 1991   |
|             | Yes              | Galvin, J.; McCloghrie, K.; "Security Protocols for version 2 of the Simple Network Management Protocol (SNMPv2)", Network Working Group RFC 1446, Apr., 1993                        |
|             | Yes              | Eastlake III, D.; "Physical Link Security Type of Service", Network Working Group RFC 1455, May, 1993  |
|             | Yes              | Kastenholz, F.; "The Definitions of Managed Objects for the Security Protocols of the Point-to-Point Protocol", Network Working Group RFC 1472, Jun. 1993                            |
| Y           | Yes              | Kohl, J.; Neuman, C.; "The Kerberos Network Authentication Service (V5)", Network Working Group RFC 1510, Sep., 1993   |
|             | Yes              | Eastlake III, D.; Crocker, S.; Schiller, J.; "Randomness Recommendations for Security", Network Working Group RFC 1750, Dec. 1994  |
|             | Yes              | Haller, N.; "The S/KEY One-Time Password System", Network Working Group RFC 1760, Feb., 1995   |
|             | Yes              | Atkinson, R.; "Security Architecture for the Internet Protocol", Network Working Group RFC 1825, Aug., 1995  |
|             | Yes              | Crocker, S.; Freed, N.; Galvin, J.; Murphy, S.; "MIME Object Security Services", Network Working Group RFC 1848, Oct., 1995  |
|             | Yes              | U.S. Patent No. 5,251,294; Oct. 5, 1993  |
|             | Yes              | S.H. Low, N.F. Maxemchuk, J.T. Bassil, & L. O'Gorman, "Document Marking and Identification Using Both Line and Word Shifting," AT&T Bell Laboratories, Infocom 95, Jul. 29, 1994     |
|             | Yes              | Brassil, J.; Low, S.; Maxemchuck, N.; O'Gorman L.; "Electronic Marking and Identification Techniques to Discourage Document Copying," AT&T Bell Laboratories, Proc. Infocom 94, 1994 |
|             | Yes              | Wagner, Neal; "Fingerprinting," Drexel University, IEEE Symp. On Info. and Privacy, Apr., 1993   |
|             | Yes              | Berghal, Hal; Ogorman, Lawrence; "Protecting Ownership Rights Through Digital Watermarking," IEEE Computing v. 29, no.7, pp. 101-103, Jul., 1996                                     |
|             | Yes              | Chor, Benny; Fiat, Amos; Naor, Moni; "Tracing Traitors," Crypto 94, p. 257, 1994   |

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**APPENDIX OF PRIOR ART\***

| Anticipates | Render Obvious | Description  |
|-------------|----------------|--|
|             | Yes            | Chaum, David; "Security Without Identification: Transaction Systems to Make Big Brother Obsolete", Communications of the ACM, vol. 28, no. 10, Oct., 1985  |
|             | Yes            | Chaum, David; Pederson, Torben Pryds; "Wallet Databases with Observers", CWI, Aarhus University, David Chaum, <u>Advances in Cryptology</u> – Proceedings of Crypto '92, pp. 89-105, 1992  |
|             | Yes            | Kohl, Ulrich; Lotspiech, Jeffrey; Kaplan, Marc; "Safeguarding Digital Library Contents and Users", IBM Research Division, D-Lib Magazine, Sept., 1997  |
|             | Yes            | Schutzer, Daniel; "A Need for a Common Infrastructure: Digital Libraries and Electronic Commerce," Citibank, D-Lib Magazine, Apr., 1996  |
|             | Yes            | Paepcke, Andreas; "Summary of Stanford's Digital Library Testbed and Status", Stanford University, D-Lib Magazine, Jul.-Aug., 1996   |
|             | Yes            | Dempsey, Lorcan; Weibel, Stuart L.; "The Warwick Metadata Workshop: A Framework for the Deployment of Resource Description", University of Bath, OCLC Office of Research, D-Lib Magazine, Jul.-Aug., 1996  |
|             | Yes            | "AT&T Smart Cards Systems & Solutions", AT&T, 1993   |
|             | Yes            | Brad J. Cox, Dr., "What if there is a silver bullet?", Dobbs Journal, Oct. 1992  |
|             | Yes            | Guillou, Louis C.; "Smart Cards and Conditional Access", Springer-Verlag, 1988   |
|             | Yes            | Chaum, David; "Untraceable Electronic Mail, Return Addresses, and Digital Pseudonyms", Communications of the ACM, vol. 24, No. 3, Feb., 1981   |
|             | Yes            | Kent, S.; "U.S. Department of Defense Security Options for the Internet Protocol", Network Working Group RFC 1108, Nov. 1991   |
|             | Yes            | Deering, S.; "Host Extensions for IP Multicasting", Network Working Group RFC 1112, Aug. 1989  |
|             | Yes            | White, Steve R.; Comerford, Liam; "ABYSS: A Trusted Architecture for Software Protection", IEEE, Apr. 27, 1987   |
|             | Yes            | Ross, Philip E.; "Cops versus robbers in cyberspace", Forbes, Sep. 9, 1996   |
|             | Yes            | "Data Networks and Open System Communications, Directory: Information Technology – Open Systems Interconnection – The Directory: Overview of Concepts, Models, and Services", ITU-T Recommendation X.500, International Telecommunication Union, Nov. 1993 |
|             | Yes            | Bender, W.; Gruhl, D.; Morimoto, N.; Lu, A.; "Techniques for data hiding", IBM Systems Journal, Vol. 35, Nos. 3&4, 1996  |
|             | Yes            | Maxemchuk, N.F.; "Electronic Document Distribution", AT&T Bell Laboratories  |
|             | Yes            | Doster, Bill; Rees, Jim; "Third-Party Authentication in the Institutional File System", Center for Information Technology Integration  |
|             | Yes            | Levy, Steven; "E-Money (That's What I Want)", Wired Magazine, Issue 2.12, Dec. 94  |
|             | Yes            | Arms, William Y.; "Key Concepts in the Architecture of the Digital Library", D-Lib Magazine, Jul. 1995   |
|             | Yes            | Weingart, S.H.; "Physical Security for the uABYSS System", IEEE, 1987  |
|             | Yes            | B. Strohm, L. Comerford, S. R. White, "ABYSS: Tokens", IBM Research Report Number RC 12402, Dec. 18, 1986  |

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**APPENDIX OF PRIOR ART\***

| Anticipates | Renders Obvious | Description   |
|-------------|-----------------|---|
|             | Yes             | Gozani, Shai; Gray, Mary; Keshav, Srinivasan; Madisetti, Mijay; Munson, Ethan; Rosenblum, Mendel; Schoettler, Steve; Sullivan, Mark; Terry, Douglas; "GAFFES: The Design of a Globally Distributed File System", Report No. UCB/CSD 87/361; Computer Science Division (EECS), U.C. Berkley, Jun. 1997 |
|             | Yes             | Chaum, David; Fiat, Amos; Naor, Moni; "Untraceable Electronic Cash", Lecture Notes in Computer Science, 403, Advances in Cryptology - CRYPTO '88 Proceedings, 1988  |
|             | Yes             | Chaum, David; "Privacy and Social Protection in Electronic Payment Systems", Chapter 12, <u>The Future of Money in the Information Age</u>  |
|             | Yes             | Bos, Jurjen.; Chaum, David; "SmartCash: a Practical Electronic Payment System", Center for Mathematics and Computer Science, Report CS-R9035, Aug.  |
|             | Yes             | Gircys, Gintaras R.; <u>Understanding and Using COFF</u> , O'Reilly & Associates, Inc.; Nov. 1988   |
|             | Yes             | <u>Unix System V, Release 3.2, Programmer's Guide Vol. II</u> , AT&T, Prentice Hall, 1989   |
|             | Yes             | Richarson, Dennis W.; <u>Electric Money: Evolution of an Electronic Funds-Transfer System</u> , The MIT Press, 1970   |
|             | Yes             | Custer, Helen; <u>Inside Windows NT</u> , Microsoft Press, Redmond, WA, 1993  |
|             | Yes             | Pietrek, Matt; <u>Windows Internals: The Implementation of the Windows Operating Environment</u> , Addison-Wesley, 1993   |
|             | Yes             | Gilde, R., "DAT-Heads: Frequently Asked Questions", 1991, Release 3.1-Sep. 2, 1992  |
|             | Yes             | Tardo, Joseph; Valente, Luis; "Mobile Agent Security and Telescript", General Magic, Inc.   |
|             | Yes             | "Telescript Security", BYTE.com, Oct. 1994  |
|             | Yes             | "Forum on Risks to the Public in Computers and Related Systems: ACM Committee on Computers and Public Policy, Peter G. Neumann, moderator", <u>Risks-Forum Digest</u> , Vol. 15, Issue 40, Jan. 24, 1994  |
|             | Yes             | Sahuguet, Arnaud; "Piracy: the Dark Side of Electronic Commerce: CIS-700/2", Univ. of Pennsylvania, May 5, 1998   |
| Y           | Yes             | Rouaix, Francois; "A Web navigator with applets in Caml", INRIA   |
|             | Yes             | Fuchsberger, Andreas; Gollmann, Dieter; Lothian, Paul; Paterson, Kenneth G.; Sidiropoulos, Abraham; "Public-key Cryptography on Smart Cards", Information Security Group  |
|             | Yes             | "An Introduction to Safety and Security in Telescript", Telescript Powered  |
|             | Yes             | Clarke, Roger; Bunting, Angela; "Cryptography issues in plain text", <u>Privacy Law and Policy Reporter</u> , 1996  |
| Y           | Yes             | Pratt & Witney Inuse  |
| Y           | Yes             | Use of ATM  |
| Y           | Yes             | Use of Set Top Box  |
| Y           | Yes             | Protective Envelope System  |
|             |                 |   |
|             |                 | <b>PRIOR ART</b>  |
|             | Yes             | 3,573,747; Adams et al.   |

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| Anticipates | Render's Obvious | Description                   |
|-------------|------------------|-------------------------------|
|             | Yes              | 3,609,697; Blevins            |
|             | Yes              | 3,790,700; Callais et al.     |
|             | Yes              | 3,796,830; Smith              |
|             | Yes              | 3,798,359; Feistel            |
|             | Yes              | 3,798,360; Feistel            |
|             | Yes              | 3,798,605; Feistel            |
|             | Yes              | 3,806,882; Clarke             |
|             | Yes              | 3,829,833; Freeny, Jr.        |
|             | Yes              | 3,906,448; Henriques          |
|             | Yes              | 3,911,397; Freeny, Jr.        |
|             | Yes              | 3,924,065; Freeny, Jr.        |
|             | Yes              | 3,931,504; Jacoby             |
|             | Yes              | 3,946,200; Brobeck et al.     |
|             | Yes              | 3,946,220; Brobeck et al.     |
|             | Yes              | 3,956,615; Anderson et al.    |
|             | Yes              | 3,958,081; Ehrsam et al.      |
|             | Yes              | 3,970,992; Boothroyd et al.   |
|             | Yes              | 4,048,619; Forman, Jr. et al. |
|             | Yes              | 4,071,911; Mazur              |
|             | Yes              | 4,112,421; Freeny, Jr.        |
|             | Yes              | 4,120,030; Johnstone          |
|             | Yes              | 4,162,483; Entenman           |
|             | Yes              | 4,163,280; Mori et al.        |
|             | Yes              | 4,168,396; Best               |
|             | Yes              | 4,196,310; Forman et al.      |
|             | Yes              | 4,200,913; Kuhar et al.       |
|             | Yes              | 4,209,787; Freeny, Jr.        |
|             | Yes              | 4,217,588; Freeny, Jr.        |
|             | Yes              | 4,220,991; Hamano et al.      |
|             | Yes              | 4,232,193; Gerard             |
|             | Yes              | 4,232,317; Freeny, Jr.        |
|             | Yes              | 4,236,217; Kennedy            |
|             | Yes              | 4,253,157; Kirschner et al.   |
|             | Yes              | 4,262,329; Bright et al.      |
|             | Yes              | 4,265,371; Desai et al.       |
|             | Yes              | 4,270,182; Asija              |
|             | Yes              | 4,278,837; Best               |
|             | Yes              | 4,305,131; Best               |
|             | Yes              | 4,306,289; Lumley             |
|             | Yes              | 4,309,569; Merkle             |
|             | Yes              | 4,319,079; Best               |
|             | Yes              | 4,323,921; Guillou            |
|             | Yes              | 4,328,544; Baldwin et al.     |
|             | Yes              | 4,337,483; Guillou            |
|             | Yes              | 4,361,877; Dyer et al.        |
|             | Yes              | 4,375,579; Davida et al.      |
|             | Yes              | 4,433,207; Best               |
|             | Yes              | 4,434,464; Suzuki et al.      |

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| Anticipates | Rendered Obvious | Description                   |
|-------------|------------------|-------------------------------|
|             | Yes              | 4,442,486; Mayer              |
|             | Yes              | 4,446,519; Thomas             |
|             | Yes              | 4,454,594; Heffron et al.     |
|             | Yes              | 4,458,315; Uchenick           |
|             | Yes              | 4,462,076; Smith, III         |
|             | Yes              | 4,462,078; Ross               |
|             | Yes              | 4,465,901; Best               |
|             | Yes              | 4,471,163; Donald et al.      |
|             | Yes              | 4,484,217; Block et al.       |
|             | Yes              | 4,494,156; Kadison et al.     |
|             | Yes              | 4,513,174; Herman             |
|             | Yes              | 4,528,588; Lofberg            |
|             | Yes              | 4,528,643; Freeny, Jr.        |
|             | Yes              | 4,553,252; Egendorf           |
|             | Yes              | 4,558,176; Arnold et al.      |
|             | Yes              | 4,558,413; Schmidt et al.     |
|             | Yes              | 4,562,306; Chou et al.        |
|             | Yes              | 4,562,495; Bond et al.        |
|             | Yes              | 4,577,289; Comerford et al.   |
|             | Yes              | 4,584,641; Guglielmino        |
|             | Yes              | 4,588,991; Atalla             |
|             | Yes              | 4,589,064; Chiba et al.       |
|             | Yes              | 4,593,183; Fukatsu            |
|             | Yes              | 4,593,353; Pickholtz          |
|             | Yes              | 4,593,376; Volk               |
|             | Yes              | 4,595,950; Lofberg            |
|             | Yes              | 4,597,058; Izumi et al.       |
|             | Yes              | 4,622,222; Johnson            |
|             | Yes              | 4,634,807; Chorley et al.     |
|             | Yes              | 4,644,493; Chandra et al.     |
|             | Yes              | 4,646,234; Tolman et al.      |
|             | Yes              | 4,652,990; Pailen et al.      |
|             | Yes              | 4,658,093; Hellman            |
|             | Yes              | 4,670,857; Rackman            |
|             | Yes              | 4,672,572; Alsberg            |
|             | Yes              | 4,677,434; Fascenda           |
|             | Yes              | 4,677,552; Sibley, Jr.        |
|             | Yes              | 4,680,731; Izumi et al.       |
|             | Yes              | 4,683,553; Mollier            |
|             | Yes              | 4,685,056; Barnsdale et al.   |
|             | Yes              | 4,688,169; Joshi              |
|             | Yes              | 4,691,350; Kleijne et al.     |
|             | Yes              | 4,696,034; Wiedemer           |
|             | Yes              | 4,700,296; Palmer, Jr. et al. |
|             | Yes              | 4,701,846; Ikeda et al.       |
|             | Yes              | 4,712,238; Gilhousen et al.   |
|             | Yes              | 4,713,753; Boebert et al.     |
|             | Yes              | 4,727,550; Chang et al.       |

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| Anticipates | Relevant Obvious | Description                   |
|-------------|------------------|-------------------------------|
|             | Yes              | 4,740,890; William            |
|             | Yes              | 4,747,139; Taaffe             |
|             | Yes              | 4,757,533; Allen et al.       |
|             | Yes              | 4,757,534; Matyas et al.      |
|             | Yes              | 4,768,087; Taub et al.        |
|             | Yes              | 4,791,565; Dunham et al.      |
|             | Yes              | 4,796,181; Wiedemer           |
|             | Yes              | 4,798,209; Klingenberg et al. |
|             | Yes              | 4,799,156; Shavit et al.      |
|             | Yes              | 4,807,288; Ugon et al.        |
|             | Yes              | 4,817,140; Chandra et al.     |
|             | Yes              | 4,823,264; Deming             |
|             | Yes              | 4,827,508; Shear              |
|             | Yes              | 4,858,121; Barber et al.      |
|             | Yes              | 4,864,494; Kobus              |
|             | Yes              | 4,866,769; Karp               |
|             | Yes              | 4,868,877; Fischer            |
|             | Yes              | 4,903,296; Chandra et al.     |
|             | Yes              | 4,924,378; Hershey et al.     |
|             | Yes              | 4,930,073; Cina, Jr.          |
|             | Yes              | 4,949,187; Cohen              |
|             | Yes              | 4,975,647; Downer et al.      |
|             | Yes              | 4,977,594; Shear              |
|             | Yes              | 4,999,806; Chernow et al.     |
|             | Yes              | 5,001,752; Fischer            |
|             | Yes              | 5,005,122; Griffin et al.     |
|             | Yes              | 5,005,200; Fischer            |
|             | Yes              | 5,010,571; Katznelson         |
|             | Yes              | 5,023,907; Johnson et al.     |
|             | Yes              | 5,047,928; Wiedemer           |
|             | Yes              | 5,048,085; Abraham et al.     |
|             | Yes              | 5,050,213; Shear              |
|             | Yes              | 5,091,966; Bloomberg et al.   |
|             | Yes              | 5,103,392; Mori               |
|             | Yes              | 5,103,476; Waite et al.       |
|             | Yes              | 5,111,390; Ketcham            |
|             | Yes              | 5,119,493; Janis et al.       |
|             | Yes              | 5,126,936; Champion et al.    |
|             | Yes              | 5,128,525; Stearns et al.     |
|             | Yes              | 5,136,643; Fischer            |
|             | Yes              | 5,136,646; Haber et al.       |
|             | Yes              | 5,136,647; Haber et al.       |
|             | Yes              | 5,136,716; Harvey et al.      |
|             | Yes              | 5,146,575; Nolan, Jr.         |
|             | Yes              | 5,148,481; Abraham et al.     |
|             | Yes              | 5,155,680; Wiedemer           |
| Y           | Yes              | 5,163,091; Graziano et al.    |
|             | Yes              | 5,168,147; Bloomberg          |

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| Anticipates | Reference Obvious | Description                     |
|-------------|-------------------|---------------------------------|
|             | Yes               | 5,185,717; Mori                 |
|             | Yes               | 5,187,787; Skeen et al.         |
|             | Yes               | 5,201,046; Goldberg et al.      |
|             | Yes               | 5,201,047; Maki et al.          |
|             | Yes               | 5,208,748; Flores et al.        |
|             | Yes               | 5,214,702; Fischer              |
|             | Yes               | 5,216,603; Flores et al.        |
|             | Yes               | 5,221,833; Hecht                |
|             | Yes               | 5,222,134; Waite et al.         |
|             | Yes               | 5,224,160; Paulini et al.       |
|             | Yes               | 5,224,163; Gasser et al.        |
|             | Yes               | 5,227,797; Murphy               |
|             | Yes               | 5,235,642; Wobber et al.        |
|             | Yes               | 5,241,671; Reed et al.          |
|             | Yes               | 5,245,165; Zhang                |
|             | Yes               | 5,247,575; Sprague et al.       |
|             | Yes               | 5,257,369; Skeen et al.         |
|             | Yes               | 5,260,999; Wyman                |
|             | Yes               | 5,263,158; Janis                |
|             | Yes               | 5,265,164; Matyas et al.        |
| Y           | Yes               | 5,276,735; Boebert et al.       |
|             | Yes               | 5,280,479; Mary                 |
|             | Yes               | 5,285,494; Sprecher et al.      |
|             | Yes               | 5,301,231; Abraham et al.       |
|             | Yes               | 5,311,591; Fischer              |
|             | Yes               | 5,319,705; Halter et al.        |
|             | Yes               | 5,319,785; Halter et al.        |
|             | Yes               | 5,335,169; Chong                |
|             | Yes               | 5,337,360; Fischer              |
|             | Yes               | 5,341,429; Stringer et al.      |
|             | Yes               | 5,343,527; Moore                |
|             | Yes               | 5,347,579; Blandford            |
|             | Yes               | 5,351,293; Michener et al.      |
| Y           | Yes               | 5,355,474; Thuraingham et al.   |
|             | Yes               | 5,365,587; Campbell et al.      |
|             | Yes               | 5,373,440; Cohen et al.         |
|             | Yes               | 5,373,561; Haber et al.         |
|             | Yes               | 5,390,247; Fischer              |
|             | Yes               | 5,390,330; Talati               |
|             | Yes               | 5,392,220; van den Hamer et al. |
|             | Yes               | 5,392,390; Crozier              |
|             | Yes               | 5,394,469; Nagel et al.         |
|             | Yes               | 5,410,598; Shear                |
|             | Yes               | 5,412,717; Fischer              |
|             | Yes               | 5,418,713; Allen                |
|             | Yes               | 5,420,927; Micali               |
|             | Yes               | 5,421,006; Jablon               |
|             | Yes               | 5,422,953; Fischer              |

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| <b>Anticipates</b> | <b>Renders Obvious</b> | <b>Description</b>            |
|--------------------|------------------------|-------------------------------|
|                    | Yes                    | 5,428,606; Moskowitz          |
|                    | Yes                    | 5,438,508; Wyman              |
|                    | Yes                    | 5,442,645; Ugon               |
|                    | Yes                    | 5,444,779; Daniele            |
|                    | Yes                    | 5,449,895; Hecht et al.       |
|                    | Yes                    | 5,449,896; Hecht et al.       |
|                    | Yes                    | 5,450,493; Maher              |
|                    | Yes                    | 5,453,601; Rosen              |
|                    | Yes                    | 5,453,605; Hecht et al.       |
|                    | Yes                    | 5,455,407; Rosen              |
|                    | Yes                    | 5,455,861; Faucher et al.     |
|                    | Yes                    | 5,455,953; Russell            |
|                    | Yes                    | 5,457,746; Dolphin            |
|                    | Yes                    | 5,457,747; Drexler et al.     |
|                    | Yes                    | 5,458,494; Krohn et al.       |
|                    | Yes                    | 5,463,565; Cookson et al.     |
|                    | Yes                    | 5,473,687; Lipscomb et al.    |
|                    | Yes                    | 5,473,692; Davis              |
|                    | Yes                    | 5,479,509; Ugon               |
|                    | Yes                    | 5,485,622; Yamaki             |
|                    | Yes                    | 5,491,800; Goldsmith et al.   |
|                    | Yes                    | 5,497,479; Hornbuckle         |
|                    | Yes                    | 5,497,491; Mitchell et al.    |
|                    | Yes                    | 5,499,298; Narasimhalu et al. |
|                    | Yes                    | 5,504,757; Cook et al.        |
|                    | Yes                    | 5,504,818; Okano              |
|                    | Yes                    | 5,504,837; Griffeth et al.    |
|                    | Yes                    | 5,508,913; Yamamoto et al.    |
|                    | Yes                    | 5,509,070; Schull             |
|                    | Yes                    | 5,513,261; Maher              |
|                    | Yes                    | 5,517,518; Rosen              |
|                    | Yes                    | 5,530,235; Stefik et al.      |
|                    | Yes                    | 5,530,752; Rubin              |
|                    | Yes                    | 5,533,123; Force et al.       |
|                    | Yes                    | 5,534,855; Shockley et al.    |
|                    | Yes                    | 5,534,975; Stefik et al.      |
|                    | Yes                    | 5,535,322; Hecht              |
|                    | Yes                    | 5,537,526; Anderson et al.    |
|                    | Yes                    | 5,539,735; Moskowitz          |
|                    | Yes                    | 5,539,828; Davis              |
|                    | Yes                    | 5,550,971; Brunner et al.     |
|                    | Yes                    | 5,553,282; Parrish et al.     |
|                    | Yes                    | 5,557,518; Rosen              |
|                    | Yes                    | 5,557,798; Skeen et al.       |
|                    | Yes                    | 5,563,946; Cooper et al.      |
|                    | Yes                    | 5,568,552; Davis              |
|                    | Yes                    | 5,572,673; Shurts             |
|                    | Yes                    | 5,592,549; Naget et al.       |

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APPENDIX OF PRIOR ART\*

| Anticipates | Render's Obvious | Description                 |
|-------------|------------------|-----------------------------|
|             | Yes              | 5,606,609; Houser et al.    |
|             | Yes              | 5,613,004; Cooperman et al. |
|             | Yes              | 5,621,797; Rosen            |
|             | Yes              | 5,629,770; Brassil et al.   |
|             | Yes              | 5,629,980; Stefik et al.    |
|             | Yes              | 5,633,932; Davis et al.     |
|             | Yes              | 5,634,012; Stefik et al.    |
|             | Yes              | 5,636,292; Rhoads           |
|             | Yes              | 5,638,443; Stefik et al.    |
|             | Yes              | 5,638,504; Scott et al.     |
|             | Yes              | 5,640,546; Gopinath et al.  |
|             | Yes              | 5,655,077; Jones et al.     |
|             | Yes              | 5,678,170; Grube et al.     |
|             | Yes              | 5,687,236; Moskowitz et al. |
|             | Yes              | 5,689,587; Bender et al.    |
| Y           | Yes              | 5,692,047; McManis          |
|             | Yes              | 5,692,180; Lee              |
|             | Yes              | 5,710,834; Rhoads           |
|             | Yes              | 5,715,403; Stefik           |
|             | Yes              | 5,721,788; Powell et al.    |
|             | Yes              | 5,732,398; Tagawa           |
|             | Yes              | 5,740,549; Reilly et al.    |
|             | Yes              | 5,745,604; Rhoads           |
|             | Yes              | 5,748,763; Rhoads           |
|             | Yes              | 5,748,783; Rhoads           |
|             | Yes              | 5,748,960; Fischer          |
|             | Yes              | 5,754,849; Dyer et al.      |
|             | Yes              | 5,757,914; McManis          |
|             | Yes              | 5,758,152; LeTourneau       |
| Y           | Yes              | 5,765,152; Erickson         |
|             | Yes              | 5,768,426; Rhoads           |
|             | Yes              | 5,774,872; Golden et al.    |
|             | Yes              | 5,819,263; Bromley et al.   |
|             | Yes              | 5,842,173; Strum et al.     |
|             | Yes              | BE 9 004 79                 |
|             | Yes              | DE 3 803 982                |
|             | Yes              | DE 3 803 982 A1             |
|             | Yes              | EP 0 084 441                |
|             | Yes              | EP 0 084 441 A1             |
|             | Yes              | EP 0 128 672                |
|             | Yes              | EP 0 128 672 A1             |
|             | Yes              | EP 0 135 422                |
|             | Yes              | EP 0 135 422 A1             |
|             | Yes              | EP 0 180 460                |
|             | Yes              | EP 0 180 460 A1             |
|             | Yes              | EP 0 370 146                |
|             | Yes              | EP 0 370 146 A1             |
|             | Yes              | EP 0 399 822 A2             |

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| Anticipates | Renders Obvious | Description     |
|-------------|-----------------|-----------------|
|             | Yes             | EP 0 421 409    |
|             | Yes             | EP 0 421 409 A2 |
|             | Yes             | EP 0 456 386    |
|             | Yes             | EP 0 456 386 A2 |
|             | Yes             | EP 0 469 864    |
|             | Yes             | EP 0 469 864 A2 |
|             | Yes             | EP 0 469 864 A3 |
|             | Yes             | EP 0 565 314    |
|             | Yes             | EP 0 565 314 A2 |
|             | Yes             | EP 0 593 305    |
|             | Yes             | EP 0 593 305 A2 |
|             | Yes             | EP 0 651 554    |
|             | Yes             | EP 0 651 554 A1 |
|             | Yes             | EP 0 668 695    |
|             | Yes             | EP 0 668 695 A2 |
|             | Yes             | EP 0 668 695 A3 |
|             | Yes             | EP 0 695 985    |
|             | Yes             | EP 0 695 985 A1 |
|             | Yes             | EP 0 696 798    |
|             | Yes             | EP 0 696 798 A1 |
|             | Yes             | EP 0 714 204    |
|             | Yes             | EP 0 714 204 A2 |
|             | Yes             | EP 0 715 243    |
|             | Yes             | EP 0 715 243 A1 |
|             | Yes             | EP 0 715 244    |
|             | Yes             | EP 0 715 244 A1 |
|             | Yes             | EP 0 715 245    |
|             | Yes             | EP 0 715 245 A1 |
|             | Yes             | EP 0 715 246    |
|             | Yes             | EP 0 715 246 A1 |
|             | Yes             | EP 0 715 247    |
|             | Yes             | EP 0 715 247 A1 |
|             | Yes             | EP 0 725 376    |
|             | Yes             | EP 0 725 376 A2 |
|             | Yes             | EP 0 749 081    |
|             | Yes             | EP 0 749 081 A1 |
|             | Yes             | EP 0 763 936    |
|             | Yes             | EP 0 763 936 A2 |
|             | Yes             | EP 0 778 513    |
|             | Yes             | EP 0 778 513 A2 |
|             | Yes             | EP 0 795 873    |
|             | Yes             | EP 0 795 873 A2 |
|             | Yes             | EP 0 800 312    |
|             | Yes             | EP 0 800 312 A1 |
|             | Yes             | GB 2,136,175    |
|             | Yes             | GB 2,264,796    |
|             | Yes             | GB 2,294,348    |
|             | Yes             | GB 2,295,947    |

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| Anticipates | Renders Obvious | Description  |
|-------------|-----------------|--------------|
|             | Yes             | JP 01-068835 |
|             | Yes             | JP 02-242352 |
|             | Yes             | JP 02-247763 |
|             | Yes             | JP 02-294855 |
|             | Yes             | JP 04-369068 |
|             | Yes             | JP 05-181734 |
|             | Yes             | JP 05-257783 |
|             | Yes             | JP 05-268415 |
|             | Yes             | JP 06-175794 |
|             | Yes             | JP 06-215010 |
|             | Yes             | JP 06-225059 |
|             | Yes             | JP 07-056794 |
|             | Yes             | JP 07-084852 |
|             | Yes             | JP 07-141138 |
|             | Yes             | JP 07-200317 |
|             | Yes             | JP 07-200492 |
|             | Yes             | JP 07-244639 |
|             | Yes             | JP 08-137795 |
|             | Yes             | JP 08-152990 |
|             | Yes             | JP 08-185292 |
|             | Yes             | JP 08-185298 |
|             | Yes             | JP 57-726    |
|             | Yes             | JP 62-241061 |
|             | Yes             | WO 85/02310  |
|             | Yes             | WO 85/03584  |
|             | Yes             | WO 90/02382  |
|             | Yes             | WO 92/06438  |
|             | Yes             | WO 92/22870  |
|             | Yes             | WO 93/01550  |
|             | Yes             | WO 94/01821  |
|             | Yes             | WO 94/03859  |
|             | Yes             | WO 94/06103  |
|             | Yes             | WO 94/16395  |
|             | Yes             | WO 94/18620  |
|             | Yes             | WO 94/22266  |
|             | Yes             | WO 94/27406  |
|             | Yes             | WO 95/14289  |
|             | Yes             | WO 96/00963  |
|             | Yes             | WO 96/03835  |
|             | Yes             | WO 96/05698  |
|             | Yes             | WO 96/06503  |
|             | Yes             | WO 96/13013  |
|             | Yes             | WO 96/21192  |
|             | Yes             | WO 96/24092  |
|             | Yes             | WO 97/03423  |
|             | Yes             | WO 97/07656  |
|             | Yes             | WO 97/25816  |
|             | Yes             | WO 97/32251  |

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**APPENDIX OF PRIOR ART\***

| Anticipates | Rendered Obvious | Description   |
|-------------|------------------|---|
|             | Yes              | WO 97/48203   |
|             | Yes              | Amerke, David, et al., News Release, AT&T, Jan. 9, 1995, AT&T encryption system protects information services, 1 page.  |
|             | Yes              | Applications Requirements for Innovative Video Programming; How to Foster (or Cripple) Program Development Opportunities for Interactive Video Programs Delivered on Optical Media; A Challenge for the Introduction of DVD (Digital Video Disc) (19-20 Oct. 19 |
|             | Yes              | Argent Information Q&A Sheet, <a href="http://www.digital-watermark.com/">http://www.digital-watermark.com/</a> , Copyright 1995, The DICE Company, 7 pages.  |
|             | Yes              | Automation of Securities Markets and Regulatory Implications, Financial Market Trends, n50, p. 20-33, Oct. 1991. [File 148, Gale Group Trade & Industry DB, Dialog(R) commercial database]  |
|             | Yes              | Avery et al, Recommender Systems For Evaluating Computer Messages, Communications of the ACM, pp. 88-89 (Mar. 1997).  |
|             | Yes              | Background on the Administration's Telecommunications Policy Reform Initiative, News Release, The White House, Office of the President, Jan. 11, 1994   |
|             | Yes              | Baggett, Claude, Cable's Emerging Role in the Information Superhighway, Cable Labs, 13 slides.  |
|             | Yes              | Balabanovic et al, Content-based, Collaborative Recommendation, Communications of the ACM, pp. 66-72 (Mar. 1997).   |
|             | Yes              | Barassi, Theodore Sedgwick Esq., The Cybernotary: Public Key Registration and Certification and Authentication of International Legal Transactions, 4 pages.  |
|             | Yes              | Barnes, Hugh, memo to Henry LaMuth, subject: George Gilder articles, May 31, 1994.  |
|             | Yes              | Bart, Dan, Comments in the Matter of Public Hearing and Request for Comments on the International Aspects of the National Information Infrastructure, Before the Department of Commerce, Aug. 12, 1994.   |
|             | Yes              | Baum, Michael, Worldwide Electronic Commerce: Law, Policy and Controls Conference, program details, Nov. 11, 1993.  |
|             | Yes              | Best, Robert M., Digest of Papers, VLSI: New Architectural Horizons, Feb. 1980, Preventing Software Piracy With Crypto-Microprocessors, pp. 466-469.  |
|             | Yes              | Bisbey, Richard L., II and Gerald J Popek, Encapsulation: An Approach to Operating System Security, (USC/Information Science Institute, Marina Del Rey, CA) Oct. 1973, pp. 666-675.   |
|             | Yes              | Blom et al., Encryption Methods in Data Networks, Ericsson Technics, No. 2, 1978, Stockholm, Sweden.  |
|             | Yes              | Bruner, Rick E., "PowerAgent, NetBot help advertisers reach Internet shoppers," Aug. 1997 (Document from Internet).   |
|             | Yes              | Cable Television and America's Telecommunications Infrastructure, (National Cable Television Association, Washington, D.C.), Apr. 1993, 19 pages.   |
|             | Yes              | Caruso, Denise, Technology, Digital Commerce: 2 plans for watermarks, which can bind proof of authorship to electronic works, N.Y. Times, Aug. 7, 1995, p. D5.  |
|             | Yes              | CD ROM, Introducing . . . The Workflow CD-ROM Sampler, Creative Networks, MCIMail: Creative Networks, Inc., Palo Alto, California.  |

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**APPENDIX OF PRIOR ART\***

| Anticipates | Readers Obvious | Description   |
|-------------|-----------------|---|
|             | Yes             | CGI Common Gateway Interface Document from the Internet, <cgi@ncsa.uiuc.edu>, 1996, 1 page.   |
|             | Yes             | Chase, Chevy, M.D., DiscStore (Electronic Publishing Resources 1991).   |
| Y           | Yes             | Chondhury, et al., "Copyright Protection for Electronic Publishing over Computer Networks," AT&T Bell Laboratories, Murray Hill, New Jersey 07974 (Jun. 1994).                                  |
|             | Yes             | Clark, Tim, Ad service gives cash back, Document from the Internet: <www.news.com/News/Item/0,4,13050,00.html> (visited Aug. 4, 1997), 2 pages.   |
|             | Yes             | Codercard, Spec Sheet--Basic Coder Subsystem (Interstate Electronics Corp., Anaheim, CA), (undated) 4 pages.  |
|             | Yes             | Collection of documents including: Protecting Electronically Published Properties, Increasing Publishing Profits, (Electronic Publishing Resources Inc.) Jan. 1993, 25 pages.                   |
|             | Yes             | Communications of the ACM, Intelligent Agents, Jul. 1994, vol. 37, No. 7.   |
|             | Yes             | Communications of the ACM, Jun. 1996, vol. 39, No. 6.   |
|             | Yes             | Computer Systems Policy Project (CSSP), Perspectives on the National Information Infrastructure: Ensuring Interoperability (Feb. 1994), Feb. 1994.  |
|             | Yes             | Cunningham, Donna, et al., News Release, AT&T, Jan. 31, 1995, AT&T, VLSI Technology join to improve info highway security, 3 pages.   |
|             | Yes             | Data Sheet, About the Digital Notary Service, Surety Technologies, Inc., 1994-1995, 6 pages.  |
|             | Yes             | Dempsey, et al., "The Warwick Metadata Workshop: A Framework for the Deployment of Resource Description", D-Lib Magazine, Jul. 15, 1996.  |
|             | Yes             | Denning et al., Data Security, 11 Computing Surveys No. 3, Sep. 1979, pp. 227-249.  |
|             | Yes             | Diffie, Whitfield and Martin E. Hellman, IEEE Transactions on Information Theory, vol. 22, No. 6, Nov. 1976, New Directions in Cryptography, pp. 644-651.                                       |
|             | Yes             | Diffie, Whitfield and Martin E. Hellman, Proceedings of the IEEE, vol. 67, No. 3, Mar. 1979, Privacy and Authentication: An Introduction to Cryptography, pp. 397-427.                          |
|             | Yes             | DSP56000/DSP56001 Digital Signal Processor User's Manual, Motorola, 1990, pp. 2-2.  |
|             | Yes             | Dusse, Stephen R. and Burton S. Kaliski, A Cryptographic Library for the Motorola 56000 in Damgard, I. M., Advances in Cryptology-Proceedings Eurocrypt 90, Springer-Verlag, 1991, pp. 230-244. |
|             | Yes             | Dyson, Esther, Intellectual Value, Wired Magazine, Jul. 1995, pp. 136-141 and 182-184.  |
|             | Yes             | EDS Provides PowerAgent with Internet Services to Support One-to-One Marketing (PowerAgent Inc. 1997, no later than Aug. 13, 1997).   |
|             | Yes             | EFFector Online vol. 6 No. 6, "A Publication of the Electronic Frontier Foundation," 8 pages, Dec. 6, 1993.   |
|             | Yes             | EIA and TIA White Paper on National Information Infrastructure, published by the Electronic Industries Association and the Telecommunications Industry Association, Washington, D.C., no date.  |

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| <b>Anticipates</b> | <b>Renders Obvious</b> | <b>Description</b>  |
|--------------------|------------------------|---|
|                    | Yes                    | Electronic Currency Requirements, XIWT (Cross Industry Working Group), (no date).   |
|                    | Yes                    | Electronic Publishing Resources Inc. Protecting Electronically Published Properties Increasing Publishing Profits (Electronic Publishing Resources 1991).                             |
|                    | Yes                    | Firefly Network, Inc., www.ffly.com, What is Firefly? Firefly revision: 41.4 Copyright 1995, 1996.  |
|                    | Yes                    | First CII Honeywell Bull International Symposium on Computer Security and Confidentiality, Jan. 26-28, 1981, Conference Text, pp. 1-21.   |
|                    | Yes                    | Framework for National Information Infrastructure Services, Draft, U.S. Department of Commerce, Jul. 1994.  |
|                    | Yes                    | Framework for National Information Infrastructure Services, NIST, Jul. 1994, 12 slides.   |
|                    | Yes                    | Garcia, D. Linda, Science, space and technology, Hearing before Subcomm. on Technology, Environment, and Aviation, May 26, 1994 (testimony of D. Linda Garcia).                       |
|                    | Yes                    | Gleick, James, Dead as a Dollar, The New York Times Magazine, Jun. 16, 1996, Section 6, pp. 26-30, 35, 42, 50, 54.  |
|                    | Yes                    | Greguras, Fred, Softic Symposium '95, Copyright Clearances and Moral Rights, Nov. 30, 1995 (as updated Dec. 11, 1995), 3 pages.   |
|                    | Yes                    | Guillou, Louis C., Smart Cards and Conditional Access, Advances in Cryptography-Proceedings of EuroCrypt 84 (T. Beth et al, Ed., Springer-Verlag, 1985) pp. 480-490.                  |
|                    | Yes                    | Haar, Steven Vonder, PowerAgent Launches Commercial Service, Interactive Week Aug. 4, 1997, (Document from the Internet) 1 page.  |
|                    | Yes                    | Harman, Harry H., Modern Factor Analysis, Third Edition Revised, University of Chicago Press, Chicago and London, 1976.   |
|                    | Yes                    | Hearst, Interfaces For Searching the Web Scientific American pp. 68-72 (Mar. 1997).   |
|                    | Yes                    | Herzberg, Amir et al., Public Protection of Software, ACM Transactions on Computer Systems, vol. 5, No. 4, Nov. 1987, pp. 371-393.  |
|                    | Yes                    | Hofmann, Jud, Interfacing the NII to User Homes, (Consumer Electronic Bus. Committee) NIST, Jul. 1994, 12 slides.   |
|                    | Yes                    | Hofmann, Jud, Interfacing the NII to User Homes, Electronic Industries Association, Consumer Electronic Bus Committee, 14 slides, no date.  |
|                    | Yes                    | Holt, Stannie, Start-up promises user confidentiality in Web marketing service, Info World Electric, Aug. 13, 1997 (Document from Internet)/ (Infoworld Publishing Co. Aug. 4, 1997). |
|                    | Yes                    | HotJava.TM.: The Security Story Document from the Internet, (no date) 4 pages.  |
|                    | Yes                    | How Can I Put an Access Counter on My Home Page?, World Wide Web FAQ, 1996, 1 page.   |
|                    | Yes                    | Multimedia Mixed Objects Envelopes Supporting a Graduated Fee Scheme Via Encryption, IBM Technical Disclosure Bulletin, vol. 37, No. 3, Mar. 1, 1994, pp. 413-417, XP000441522.       |
|                    | Yes                    | Transformer Rules Strategy for Software Distribution Mechanism-Support Products, IBM Technical Disclosure Bulletin, vol. 37, No. 48, Apr. 1994, pp. 523-525, XP000451335.             |

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**APPENDIX OF PRIOR ART\***

| Anticipates | Readers Obvious | Description  |
|-------------|-----------------|--|
|             | Yes             | IISP Break Out Session Report for Group No. 3, Standards Development and Tracking System, no date.   |
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